ANNUAL SITE INSPECTION REPORT

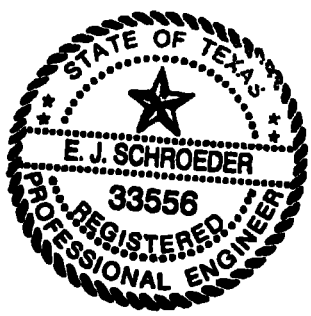
JULY 2000

BAILEY SUPERFUND SITE

Prepared by:

[redacted]

SEPTEMBER 2000



Ernest J Schroeder
Ernest Schroeder, P.E.

33556
P.E. Number

9/25/00
Date

143504

TABLE OF CONTENTS

LIST OF APPENDICES

SECTION 1

1.0 INTRODUCTION

The annual inspection of the Bailey Superfund Site was conducted on July 10, 2000 by Allison Merz of Parsons Engineering Science, Inc. (Parsons ES). Ms. Merz has completed numerous other cap inspections at other RCRA and Superfund sites and has a thorough knowledge of the site background and understanding of the implemented remedy. The inspection was conducted in accordance with the Final Inspection, Maintenance, and Monitoring Plan (prepared by Parsons ES and GeoSyntec, September 1997).

An inspection check list was developed to aid in the inspection of the site and is included in Appendix A. The check list was completed as the entire site was walked and observations were made. Any areas of concern that were observed during the inspection were noted and located on a site map that is included in Appendix B. A summary of the inspection and its findings is presented in Section 2.

SECTION 2

2.0 INSPECTION SUMMARY

Allison Merz of Parsons ES, the Bailey Site Settlors Committee's (BSSC) authorized representative, conducted a visual inspection of the site on July 10, 2000.

2.1 Grounds Inspection

The North and East Dike areas were inspected by traversing the surface area of each dike and thoroughly looking for signs of problems that would affect the integrity of the landfill cap system. The entire site was mowed approximately one week prior to the inspection. In general, the caps and dikes appear to be in good condition. The grass also was generally found to be in good condition. There are a few areas where the grass was stressed due to the dry conditions experienced in the area during the previous two months.

The landfill caps were inspected for signs of erosion, exposure, differential settlement, and ponding. The condition of the surface vegetation and the gas vents were also noted. Areas of stressed vegetation are noted on the map in Appendix B. No grass needs to be re-seeded. Some woody plants are growing along the outer edge of both cap areas as illustrated on the map. These will be removed to prevent them from spreading onto the cap slopes and caps themselves. No erosion along the dike slopes and caps is evident. There are also some signs of minor soil desiccation on the East Dike Cap near the southern end (see map in Appendix B).

The North and East dikes and caps were also inspected for differential settlement. Rainfall for the year has been below average and no signs of significant settlement are evident. Both caps appear to be level, relatively even, and stable. No areas of ponding were evident.

2.2 Dike Breaches and Drainage Pipes

The dike breach in the North Marsh perimeter dike was inspected and found to be in good condition, allowing free flow of tidal waters. The drainage pipes in the former laydown area and at the end of the East Dike were found to be in good condition with no obstructions.

2.3 Fence and Sign Inspection

The fencing at the site was inspected and found to be in good condition. The gates and locks were also inspected and found to be in good condition, except that the chain and lock around the gate at the southwest side of the East Dike Cap are not wrapped around the gateposts. Entrance is possible through this gate. The site owner, Mr. Rodney Townsend, was advised of this condition and the need for correction. The signs located around the perimeter of the site are generally in good condition. One of the signs on the

gate for the access bridge is showing signs of deterioration. There are two signs on this gate and the other one is in good condition.

2.4 Site Access Bridge Inspection

The access bridge to the site was inspected and found to be in good condition. The bridge decking, hand rails, approaches, and steel structure also appear to be in good condition. The offsite road at the northeast corner of the bridge is showing the initial signs of stormwater erosion. This condition should be monitored during future inspections.

2.5 Road Inspection

The access roads for the North and East Dike Caps were inspected for signs of rutting, potholes, erosion, and accumulation of silt. As mentioned in Section 2.4, the off-site road is showing signs of stormwater erosion. All on-site roads were found to be in good condition.

2.6 Other Observations

No other problems were noted during the inspection.

SECTION 3

3.0 SUMMARY OF PROBLEM AREAS AND RECOMMENDED ACTION

The Bailey Superfund Site was found to be in generally good condition during the July 2000 Annual Site Inspection. A few areas of concern were noted and are detailed below:

- Some vegetation on caps was stressed due to the lack of rainfall. These areas should recover with rainfall. Therefore, no action is required;
- Minor soil desiccation was observed on East Dike Cap. This condition will recover with rainfall. No action is required;
- Woody plants were noted growing along the edges of both caps. These plants will be removed to prevent further propagation;
- The chain and lock on the southern gate of East Dike Cap are not installed properly. The lock will be replaced with one identical to the main gate and the chain will be secured around both gateposts to prevent entrance. A verbal request to Rodney Townsend was made at the time of the inspection to complete this task and a written request was made in September 2000; and
- The off-site road near northeast corner of access bridge is showing the initial signs of stormwater erosion. Recommended action is to monitor condition carefully.

APPENDIX A

SITE INSPECTION CHECK LIST

BAILEY SITE INSPECTION CHECK LIST

Inspection Date: 07/10/2000

Inspection Time: 10 am

Name of Inspector: Allison Merz

Weather Conditions: partly sunny, temps in 90s °F, some scattered showers

Ground Inspections

Condition of Vegetation:

Grass Height: 2"-6"

Color: yellow-green

Fullness: OK - thin in some areas

Areas of Concern: (Yes) No

~~(If Yes~~, Detail on Map)

Signs of Erosion: Yes (No) (If Yes, detail location on map and note average depth and width)

Exposed Geosynthetics. Yes (No) (If Yes, provide location on map and note if it's the geocompsite drainage layer, 60 mil HDPE liner, or geosynthetic clay liner.)

Signs of Differential Settlement: Yes (No) (If Yes, provide location on map noting estimated depth and width)

Ponding Greater than 2" in Depth: Yes (No) (If Yes, provide location on map, noting depth)

Evidence of Prolonged Ponding: Yes (No)

Estimated date of last rain event: 2 months prior to inspection. conditions are very dry

Gas Vents

Condition of Barrier: Good

Condition of Piping: Good

Screens Intact: (Yes) No

Riser Pipe Plumb: (Yes) No

BAILEY SITE INSPECTION CHECK LIST

Condition of Dike Breaches and Drainage Pipes

Verify that each allows free drainage:

Pond A culvert at South end of East Dike:	(Yes)	No
Site Entrance Area (Non-capped Area):	(Yes)	No
Perimeter Dike Breach in Pond A:	Eliminated by owner with EPA approval.	
Perimeter Dike Breach in North Dike:	(Yes)	No

If the answer was No to any of the above, describe the obstruction:

Fence and Sign Inspection

Chain Link Fencing			
Signs of unauthorized entry:	Yes	(No)	
Fence Damage:	Yes	(No)	
Corrosion:	Yes	(No)	
Barb Wire Damage:	Yes	(No)	
Gates & Locks in good condition:	Yes	(No)	See below
Overhang Extensions			
Signs of unauthorized entry.	Yes	(No)	
Signs of damage.	Yes	(No)	
Signs			
Verified all signs.	(Yes)	No	See below
Signs on all gates:	(Yes)	No	

Provide location of any damage on the map. Describe below any damage to the fence or signs:

1) Chain on southern gate of eastern cap is not wrapped around posts. Entry can be made. Lock should be the same as NE gate lock.

2) 1 of 2 signs on the NE gate is showing signs of deterioration.

BAILEY SITE INSPECTION CHECK LIST

Site Access Bridge

Are the following in good condition:

Wood Decking:	(Yes)	No	
Hand Rails	(Yes)	No	
Approaches.	Yes	(No)	See below
Bridge Steel Structure:	(Yes)	No	

If No, describe the observed condition:

Road at NE corner of access bridge is eroded from stormwater. Recommend watching this closely for further erosion.

Road Inspection

Rutting	Yes	(No)	(If yes to any, provide location on map)
Potholes	Yes	(No)	
Erosion Channeling	Yes	(No)	
Accumulation of Silt	Yes	(No)	

Other General Site Observations:

1) Vegetation/grass is stressed due to lack of rainfall. This is normal for Texas summers. No action needed.
2) Some signs of soil dessication on easter cap, as evidenced by "cracks".
3) Some woody plants are growing along outer edge of eastern cap (see map). These should be removed or mowed down to prevent them from growing on sides and top of cap.

BAILEY SITE INSPECTION CHECK LIST

Summary of Problem Areas Identified

- Stressed vegetation
- Soil desiccation evidenced on eastern cap
- Woody plants growing along outer edge of eastern cap
- Chain and lock not properly installed for gate at SW corner of eastern cap.
- Road at NE corner at access bridge is slowly being eroded by stormwater

Allison L. Mary
Inspector's Signature

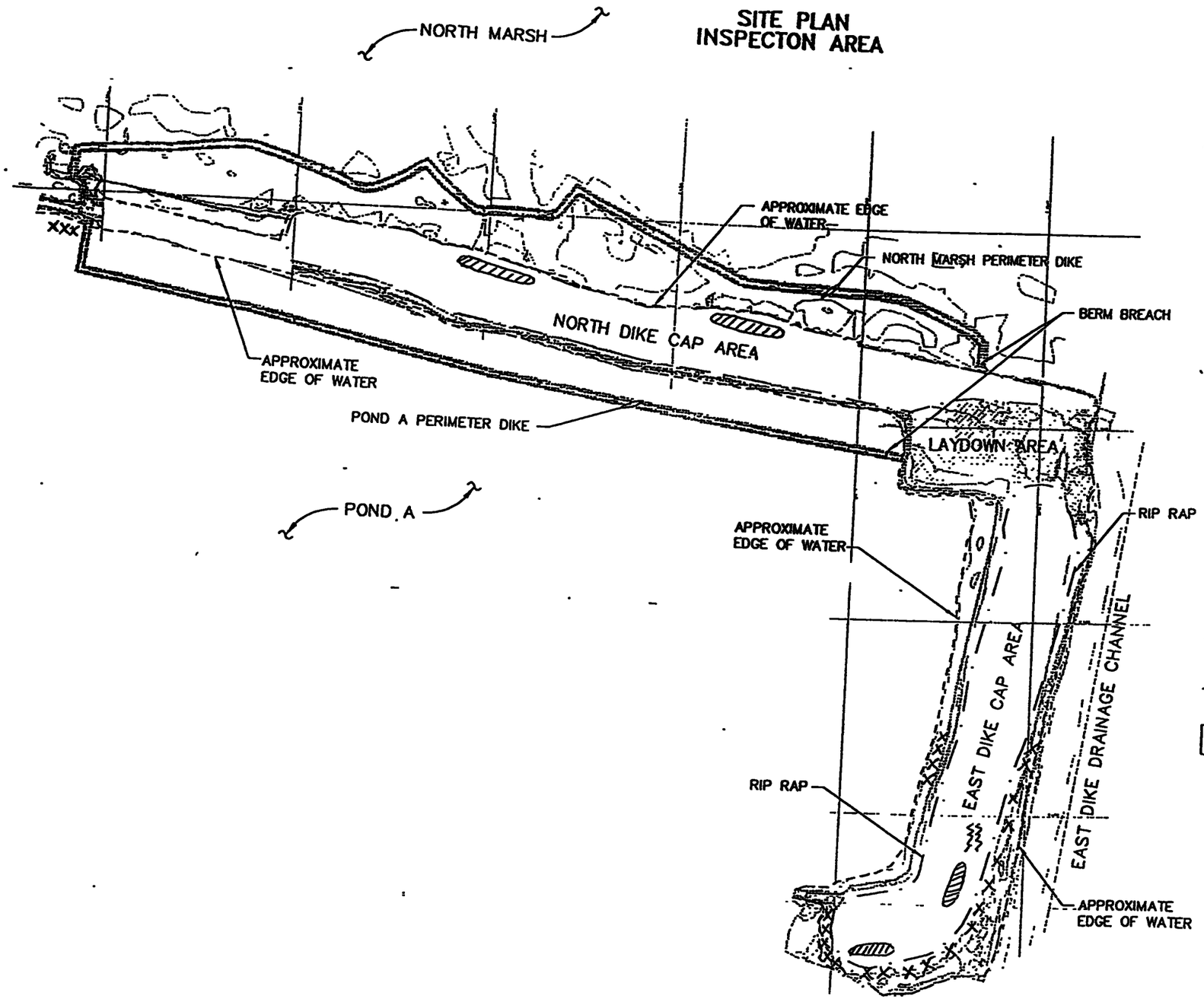
07/10/2000
Date

PARSONS ENGINEERING SCIENCE

APPENDIX B

SITE MAP

SITE PLAN
INSPECTON AREA



NORTH

NOTES:

1. DRAWING BASED ON PREVIOUS SITE TOPOGRAGHIC INFORMATION AND DESIGN DRAWINGS. DRAWING IS NOT BASED ON FINAL AS-BUILT DATA.
2. LOCATION OF EDGE OF WATER SHOWN IS THE LOCATION AT THE TIME OF SURVEY. WATER LEVELS SUBJECT TO TIDAL VARIATIONS. AVERAGE TIDE ELEVATIONS ARE: LOW TIDE – –2.0 FEET (MSL) AND HIGH TIDE +1.0 FEET (MSL). TIDE ELEVATIONS ARE SUBJECT TO VARIATION DEPENDING ON SEASON AND LOCAL WEATHER CONDITIONS.
3. RIPRAP LOCATED ON ALL SLOPES.
4. INSPECTION AREA TO INCLUDE, AS A MINIMUM,
   - NORTH DIKE CAP AREA
   - EAST DIKE CAP AREA
   - ALL AREAS OF RIP RAP
   - VISUAL OBSERVATION OF PERIMETER DIKES
   - ACCESS BRIDGE
   - SITE FENCING (FIGURE 2.2)

LEGEND – GENERAL

- EXISTING CONTOUR (FEET)
- ANCHOR TRENCH
- APPROXIMATE LIMIT OF GRAVEL SURFACING
- XXXX WOODY PLANTS
- STRESSED VEGETATION
- DESICATED SOIL

0 300
SCALE IN FEET

GeoSyntec Consultants
ATLANTA, GA

PROJECT NO. GE3913–620	FIGURE NO. 2.1
DOCUMENT NO.	FILE NO. 3913F004